

## ROBOT LOGISTICS

### 31. Shipping Your 'Droids

You are responsible for the cost of shipping and tracking your 'droid, uncrating and crating your 'droid for the voyage home. Your shipping company is responsible for providing a forklift, pallet jack, lift gate, etc. to load and unload your droid's crate; use a reputable shipping company and start this process in a timely manner.

Submit via email both of your Shipping Bills of Lading (to the competition and return to home school) by May 1, 2017.

#### **Shipping to the Competition:**

**NASA John F. Kennedy Space Center**

**ISC Central Receiving - Bldg. M6-0744**

**Kennedy Space Center, FL 32899**

**Mark For: Robotic Mining Competition at the Kennedy Space Center Visitor Complex**

- Do not have the shipping company deliver the mining robot directly to the Kennedy Space Center Visitor Complex.
- The shipping company will go to the NASA KSC Pass & ID Office on the south side of State Road 405 (call 321.749.0320 four hours prior to your arrival and again on arrival) and ISC Central Receiving will send an escort to the shipper
- Your shipping containers will be accepted from 8:00 a.m. Monday May 15, 2017, through 2:00 p.m. Wednesday May 17, 2017.
- Coordinate with your shipping company to ensure deliveries are made within this time period. The containers will be placed in each team's assigned RoboPit for the competition.

**Shipping Back to Home School** - follow these instructions to start your 'droid's voyage home.

The "Pick-Up Address" and instructions are as follows:

**Kennedy Space Center Visitor Complex**

**Delaware North Companies (DNC)**

**Robotic Mining Shipping Area - Mail Code: DNPS**

**State Road 405**

**Kennedy Space Center, FL 32899**

- At the end of the RMC prepare your robot(s) for shipment and place in the designated location as directed by the RoboPit Chief
- You are responsible for attaching the Shipping Bill of Lading/Commercial Invoice on the shipping crates must have your "Ship To" information clearly labeled on the crate. You must also have the shipping company name clearly labeled on the crate.
- Drivers will go directly to the Kennedy Space Center Visitor Complex retail warehouse (behind the DNC Administration Building) through Guard Post 4; from there, the DNC warehouse team will take the driver to the appropriate site where the robots are being stored for pick up.
- The on-site P.O.C. is Charlie Lamattina 321.449.4252, clamatti@dncinc.com
- All mining robots must be picked up no later than June 1, 2017.
- Robots remaining after June 1, 2017 will be considered abandoned and will be offered to local area high school robotic programs for adoption.

If you would like to leave your robot to donate to local area high school robotic programs notify the RoboPit Chief.

32. **Robot Details**

Teams must submit the following by May 1, 2017:

- photo of your robot (photos shall be 1024 x 768 pixels in a JPEG format)
- a description of your robot, robot's operation and potential safety hazards
- diagram of the robot and a basic parts list
- a link to your YouTube video documenting (this "proof of life" documentation is solely for technical evaluation of the mining robot) between 30 seconds and 5 minutes of their mining robot in operation for at least one full cycle of operations (one full cycle includes excavation and depositing the material).